

EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Liquid Train PT 2 - No. 954811

Category: **WSSC**
 Agency: **W.S.S.C.**
 Planning Area: **Countywide**
 Relocation Impact:

Date Last Modified: **December 30, 2004**
 Previous PDF Page Number: **22-9-(05 App)**
 Required Adequate Public Facility: **No**

EXPENDITURE SCHEDULE (\$000)

Cost Element	Thru		Est. 6 Year		Beyond					
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11 6 Years
Planning, Design and Supervision	26,694	13,988	4,300	8,208	4,309	2,626	965	252	29	27 198
Construction	214,909	124,628	30,553	58,319	30,617	18,655	6,859	1,789	204	195 1,409
Other	1,029	0	349	664	349	213	78	20	2	2 16
Total	242,632	138,616	35,202	67,191	35,275	21,494	7,902	2,061	235	224 1,623

FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	13,318	7,609	1,932	3,688	1,936	1,180	434	113	13	12 89
System Development Charge	41,247	23,565	5,984	11,422	5,997	3,654	1,343	350	40	38 276
WSSC Bonds	188,067	107,442	27,286	52,081	27,342	16,660	6,125	1,598	182	174 1,258

COMPARISON (\$000)

	Thru		Est. 6 Year		Beyond						Approp. Request
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11 6 Years	
Current Approved	214,814	130,649	24,235	58,547	27,092	19,104	7,338	3,465	1,548	0 1,383	0
Agency Request	224,673	130,882	35,425	57,693	26,701	22,114	7,640	779	235	224 673	26,701
Recommended	242,632	138,616	35,202	67,191	35,275	21,494	7,902	2,061	235	224 1,623	35,275
CHANGE				TOTAL	%	6-YEAR	%			APPROP.	
Agency Request vs Approved				9,859	4.6%	(854)	(1.5%)			26,701	0.0%
Recommended vs Approved				27,818	12.9%	8,644	14.8%			35,275	0.0%
Recommended vs Request				17,959	8.0%	9,498	16.5%			8,574	32.1%

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant capital projects. The Executive recommends changes in the project estimates to align with amounts proposed by the District of Columbia Water and Sewer Authority (WASA).

A. Identification and Coding Information			2. Date: October 1, 2004	7. Pre PDF Pg.No.: <input type="text"/>	8. Req. Adeq. Pub. Fac. <input type="text"/>
1. Project Number	Agency Number	Update Code	Revised:		
954811	S-22.06	Change			
3. Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2			5. Agency: WSSC		
4. Program: Sanitation			6. Planning Area: Bi-County		

B. Expenditure Schedule (000's)											
Cost Elements	(8) Total	(9) Thru FY '04	(10) Estimate FY '05	(11) Total 6 Years	(12) Year 1 FY '06	(13) Year 2 FY '07	(14) Year 3 FY '08	(15) Year 4 FY '09	(16) Year 5 FY '10	(17) Year 6 FY '11	(18) Beyond 6 Years
Planning, Design & Supervision	23,246	12,920	2,612	7,048	1,966	2,019	1,907	701	233	222	666
Land											
Site Improvements & Utilities											
Construction	200,498	117,962	32,462	50,074	24,471	19,876	5,657	70			
Other	929		351	571	264	219	76	8	2	2	7
Total	224,673	130,882	35,425	57,693	26,701	22,114	7,640	779	235	224	673

C. Funding Schedule (000's)											
WSSC Bonds	174,146	101,447	27,458	44,719	20,696	17,141	5,922	604	182	174	522
SDC	38,193	22,250	6,022	9,807	4,539	3,759	1,299	132	40	38	114
City of Rockville	12,334	7,185	1,945	3,167	1,466	1,214	419	43	13	12	37

D. Description & Justification	
DESCRIPTION	
<p>This project includes funding for WSSC's share of Blue Plains liquid train projects for which construction began after June 30, 1993. Major projects include the following: Improvements to Primary and Secondary Treatment; Influent Screens and Grit Removal Systems Renovations; Nitrification Facility; Filtration/Disinfection Facility; Raw Wastewater Pump Stations 1 & 2; and Filtration Facility Pumping System. All facilities are sized at 370 MGD.</p> <p>Service Area Bi-County Area Capacity 370 MGD</p>	
JUSTIFICATION	
Plans & Studies	
The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DC-WASA Proposed FY 2003 - FY 2012 Capital Improvement Program (10/16/03).	
Specific Data	
This is a continuation of the DC-WASA's upgrading of the Blue Plains Wastewater Treatment Plant	
Cost Change	
The cost increase reflects the latest estimates from DCWASA for existing sub-projects and the addition of Phase II costs for the Grit Chamber and Primary Treatment projects.	
STATUS Not Applicable	
OTHER	
<p>The project scope has remained the same.</p> <p>Project History: This project was first included in the FY95 CIP and includes those Blue Plains liquid side sub-projects where construction commenced after June 30, 1993. As such, these sub-projects are SDC eligible. This project, in essence, represents the "current-thinking" facility plan for Blue Plains liquid side sub-projects. The project costs shown above are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and WASA's latest project management data and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may not fully reflect the total project costs. These projects are in fact expected to continue indefinitely. It is anticipated that as new sub-projects are added to the Blue Plains facility plans, the associated costs will be added to this project. Prior expenditures and funding shown in Column 9 are post-Intermunicipal Agreement. The funding schedule also indicates the calculated Rockville share of the cost.</p>	

E. Annual Operating Budget Impact (000's)			FY of Impact
Program Costs	Staff
	Other
Facility Costs	Maintenance
	Debt Service	13663
Total Costs.....		13663
Impact on Water or Sewer Rate.....		30¢

F. Approval and Expenditure Data (000's)	
Date First in Capital Program	<input type="text"/> FY 95
Date First Approved	<input type="text"/> FY 95
Initial Cost Estimate	<input type="text"/> 69,745
Cost Estimate Last FY	<input type="text"/> 214,814
Present Cost Estimate	<input type="text"/> 224,673
Approved Request, Last FY	<input type="text"/> 24,235
Total Expenditures & Encumbrances	<input type="text"/> 130,882
Approval Request FY 06	<input type="text"/> 26,701
Supplemental Approval Request Current FY (05)	<input type="text"/>

G. Status Information	
Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

H. Map	Map Reference Code:
<p>MAP NOT AVAILABLE</p>	

AGENCY REQUEST

--

D. DESCRIPTION & JUSTIFICATION (CONT.)

Agency Number: S - 22.06

Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2

COORDINATION

District of Columbia Water & Sewer Authority (responsible for design and construction.) (Biological Nutrient Removal costs are carried on WSSC Project S-22.08).

NOTE This project supports 17% Growth, 59% System Improvement and 24% Environmental Regulation.